

Fig. 1

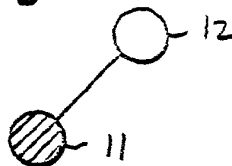


Fig. 2

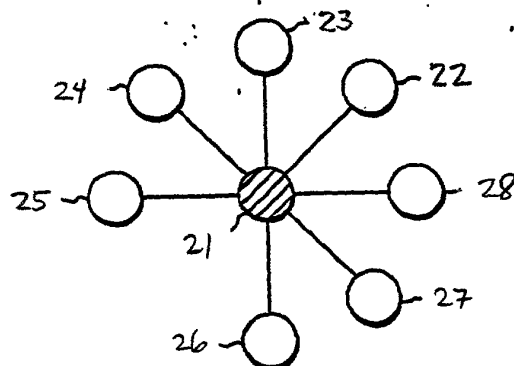
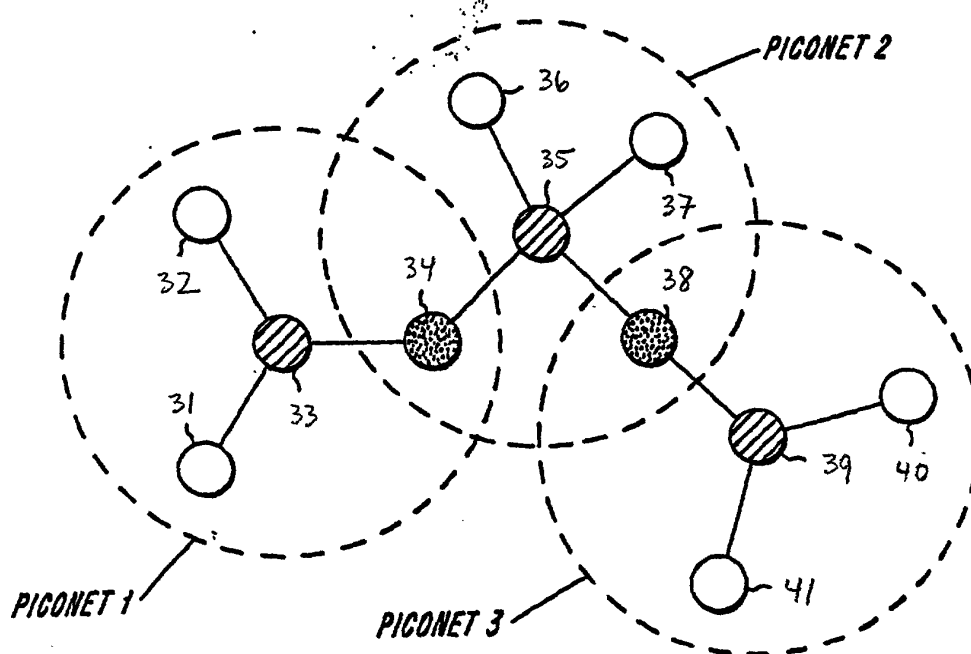


Fig. 3



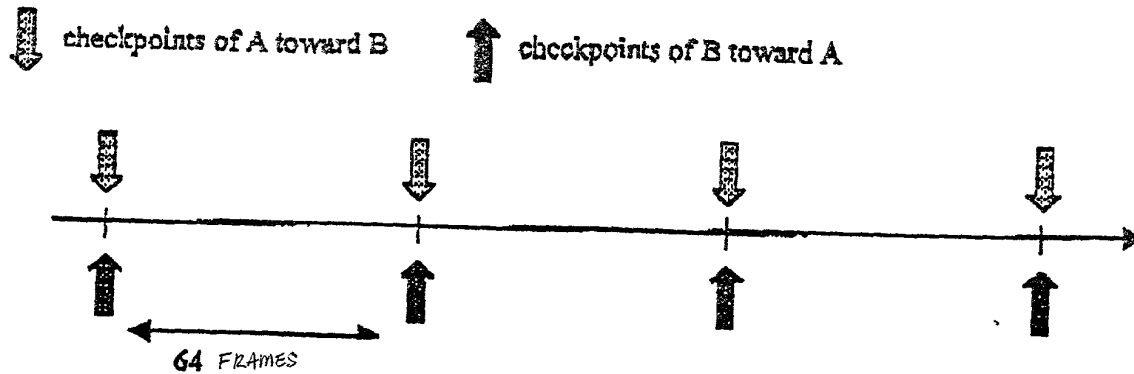


FIG. 4(a)

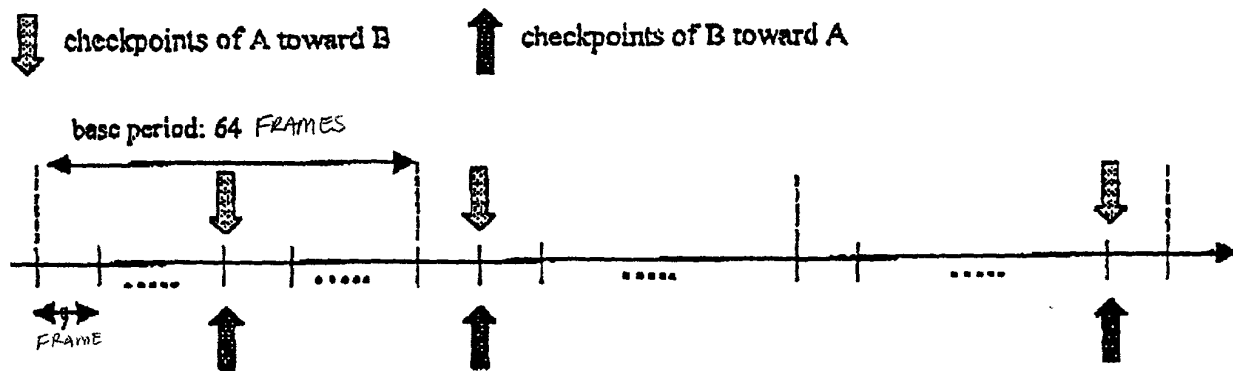


FIG. 4(b)

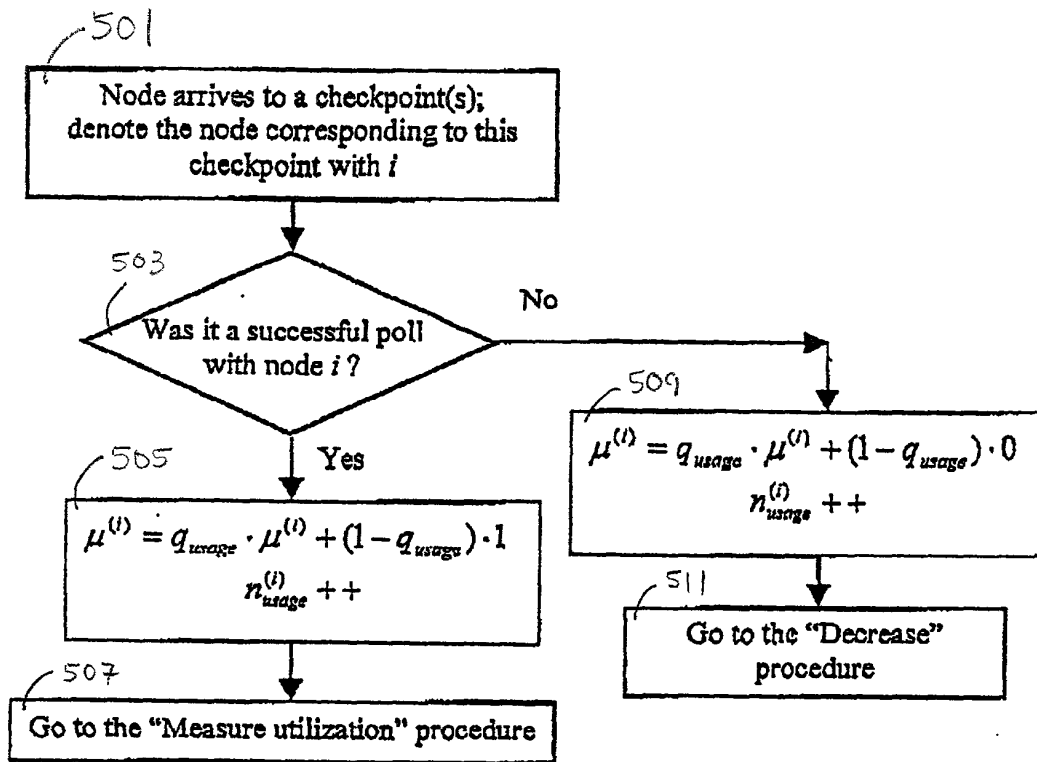


FIG. 5

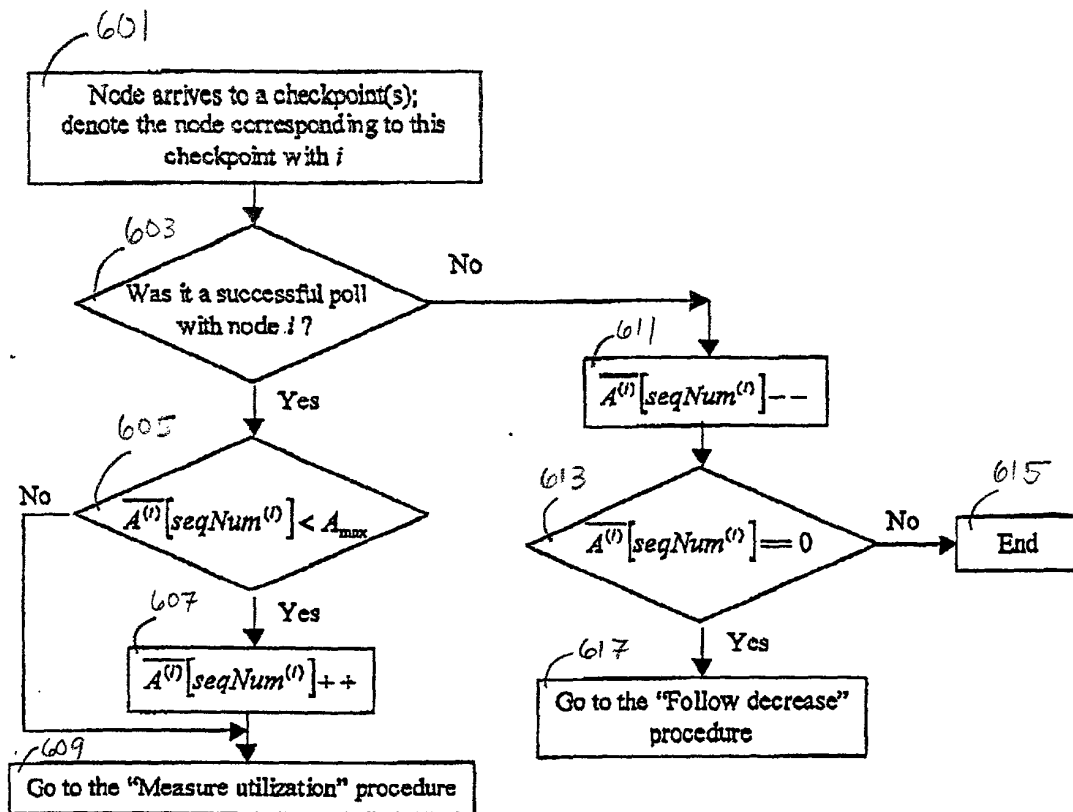


FIG. 6

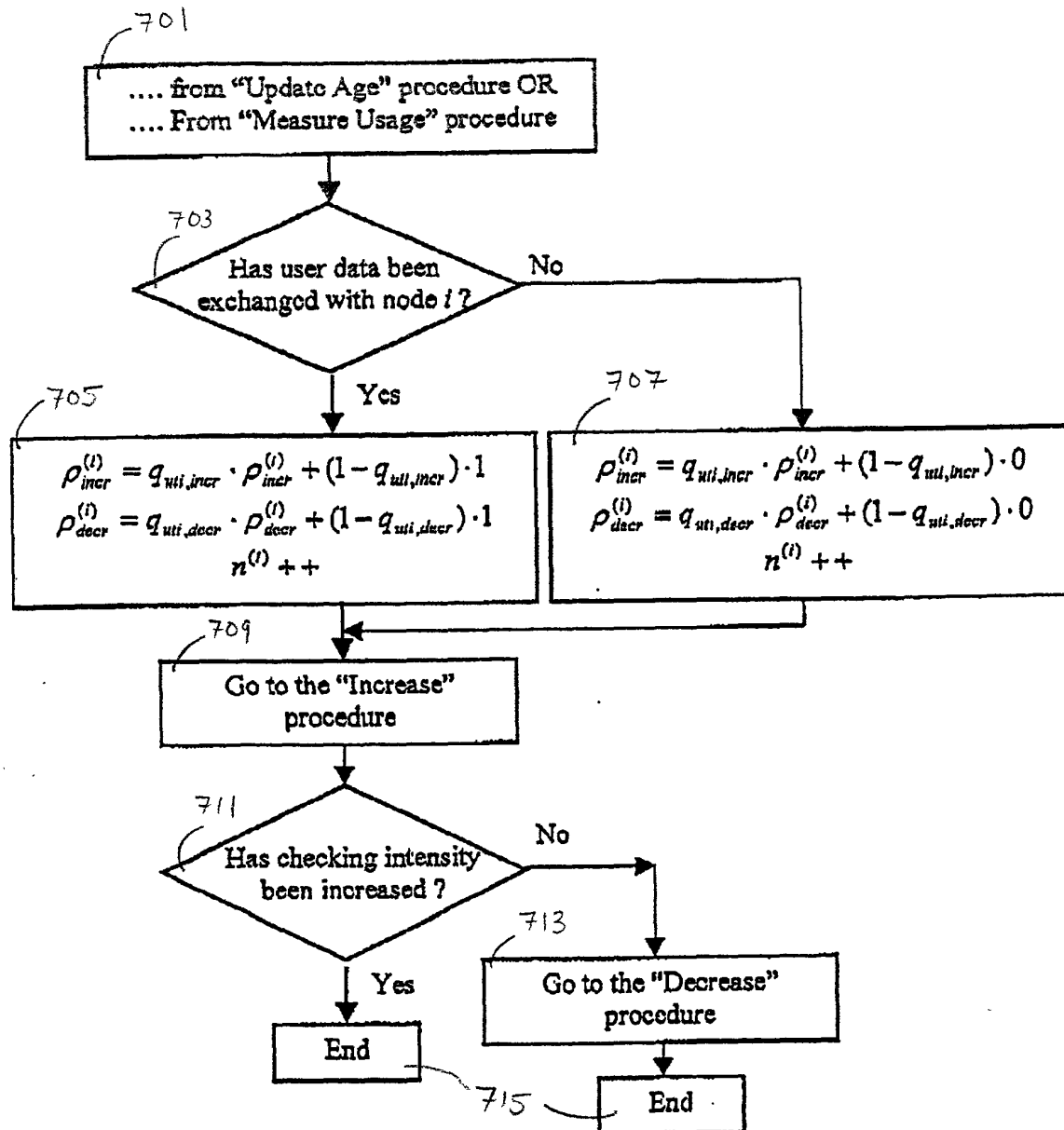
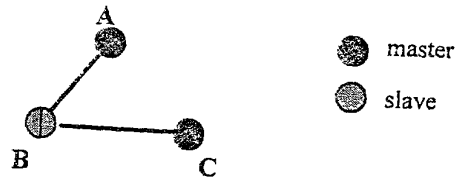


FIG. 7

FIG. 8(a)



Example network

↓ checkpoints of A toward B    ↓ checkpoints of C toward B  
 ↑ checkpoints of B toward A    ↑ checkpoints of B toward C

FIG. 8(b)

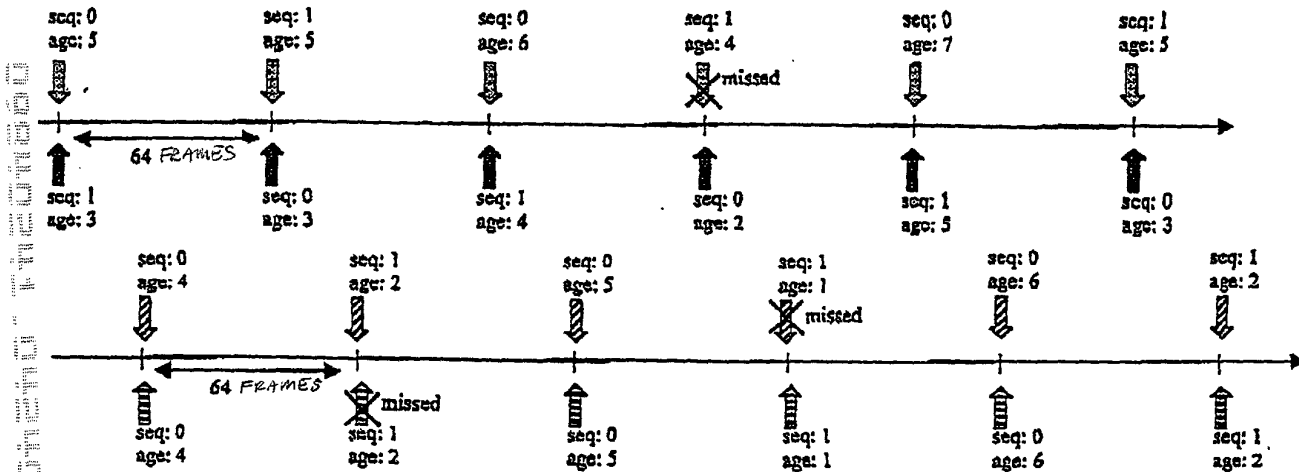


FIG. 8(c)

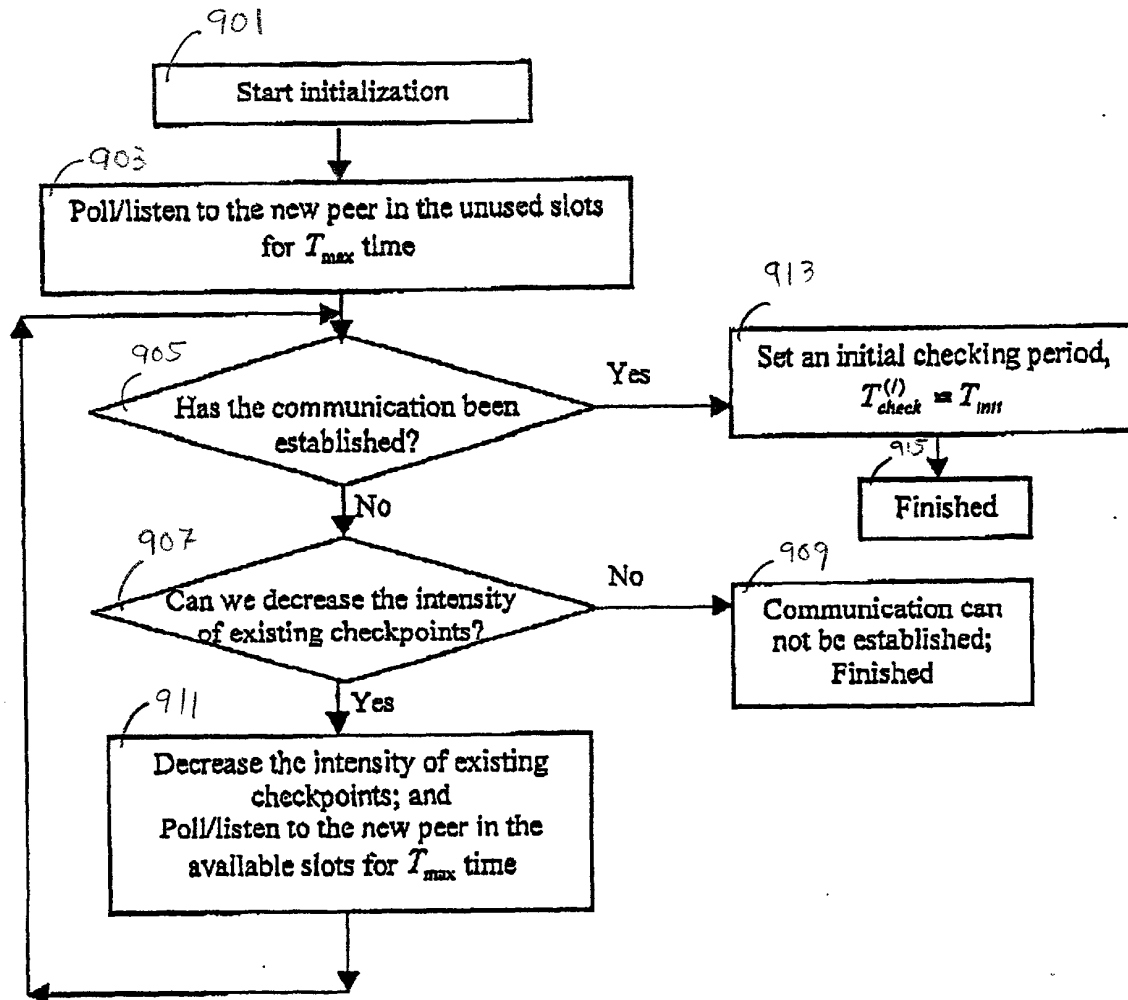


FIG. 9

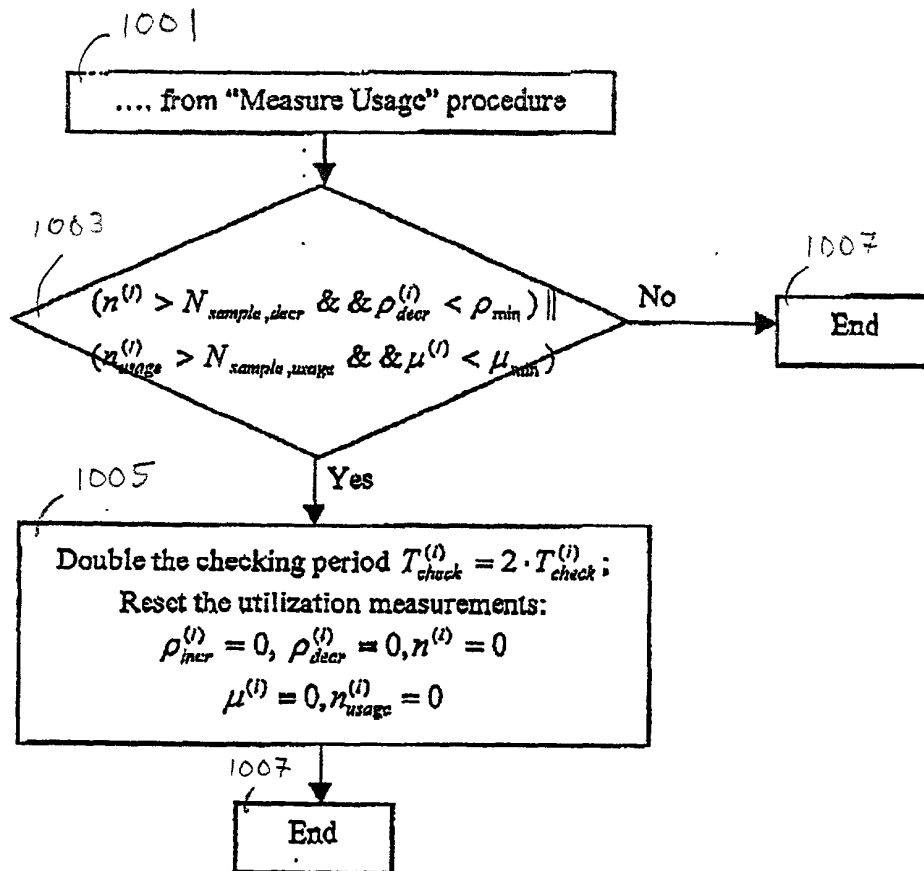


FIG. 10



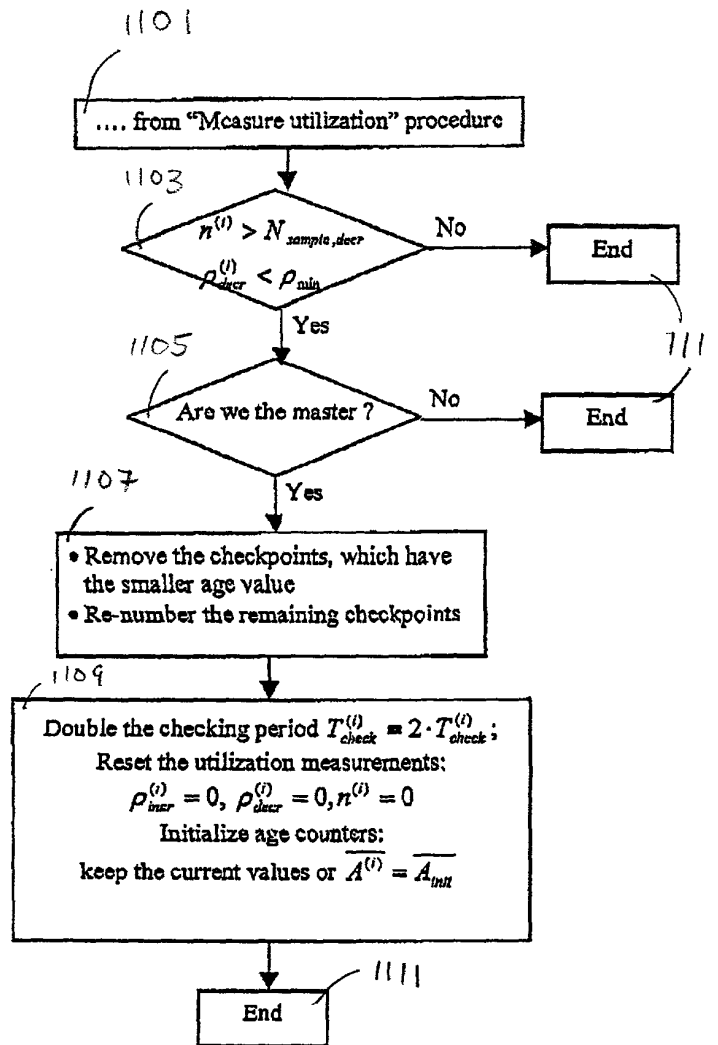


FIG. 11

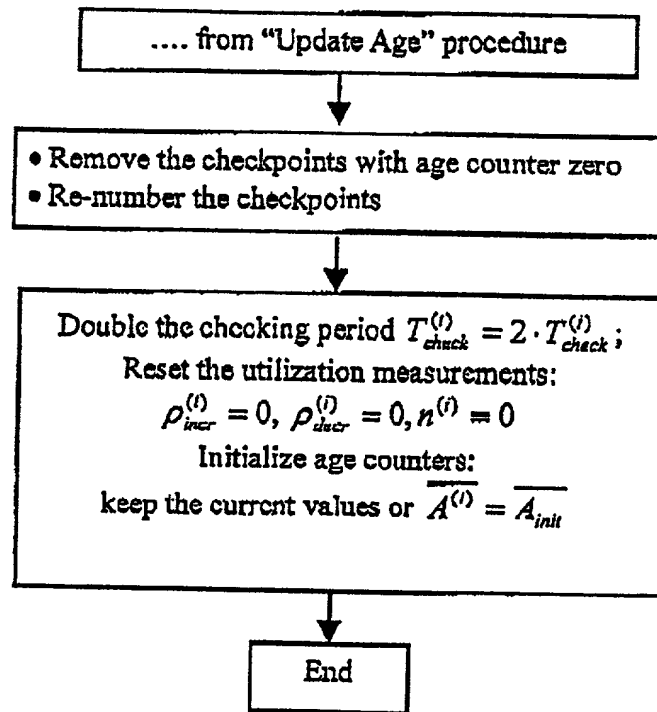


FIG. 12

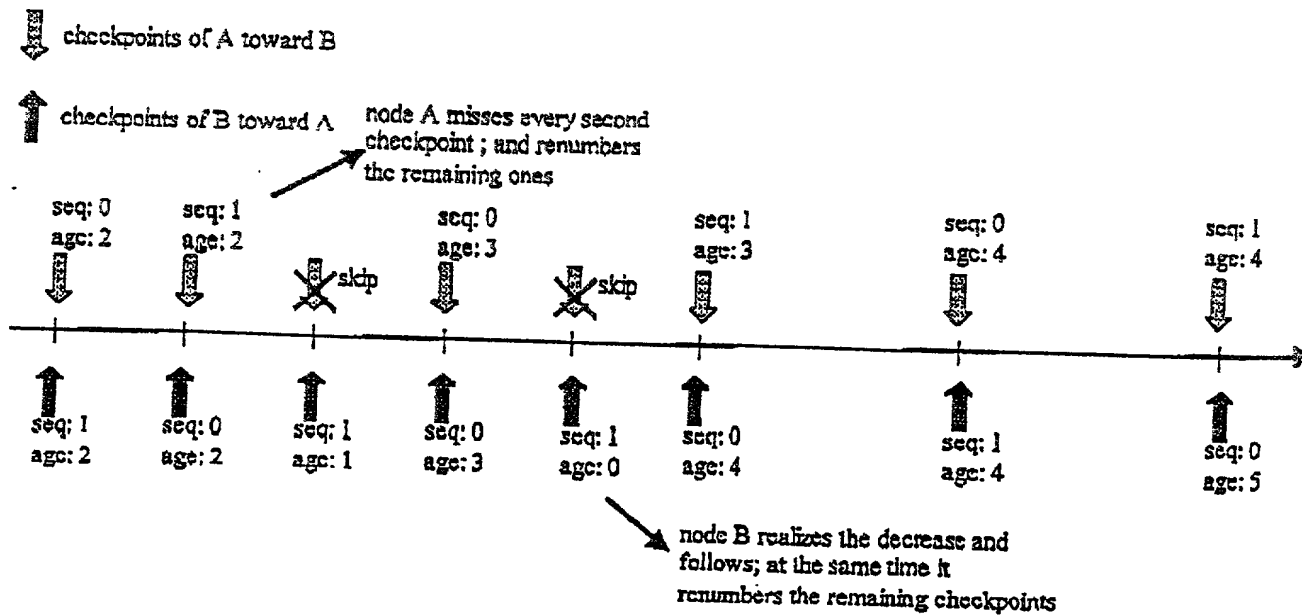


FIG. 13(a)

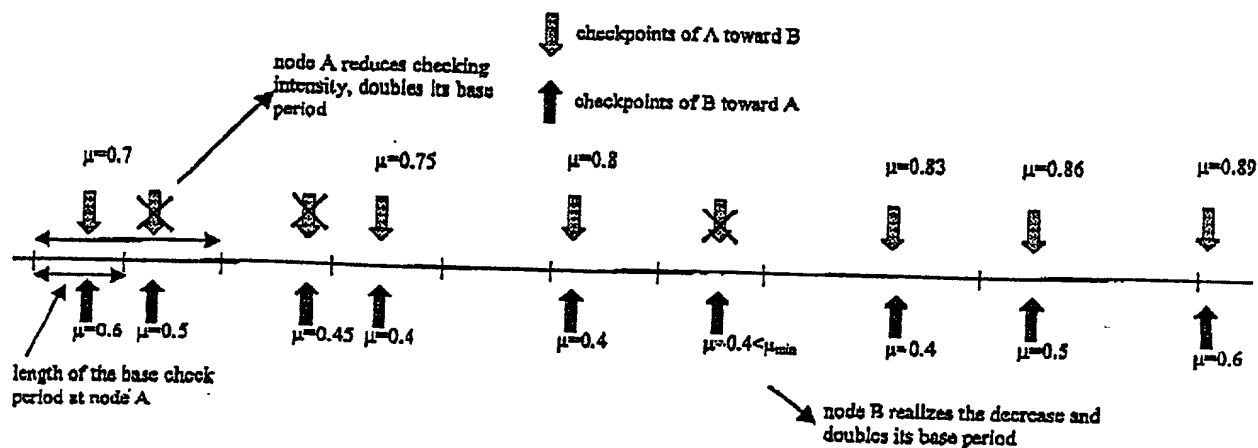


FIG. 13(b)

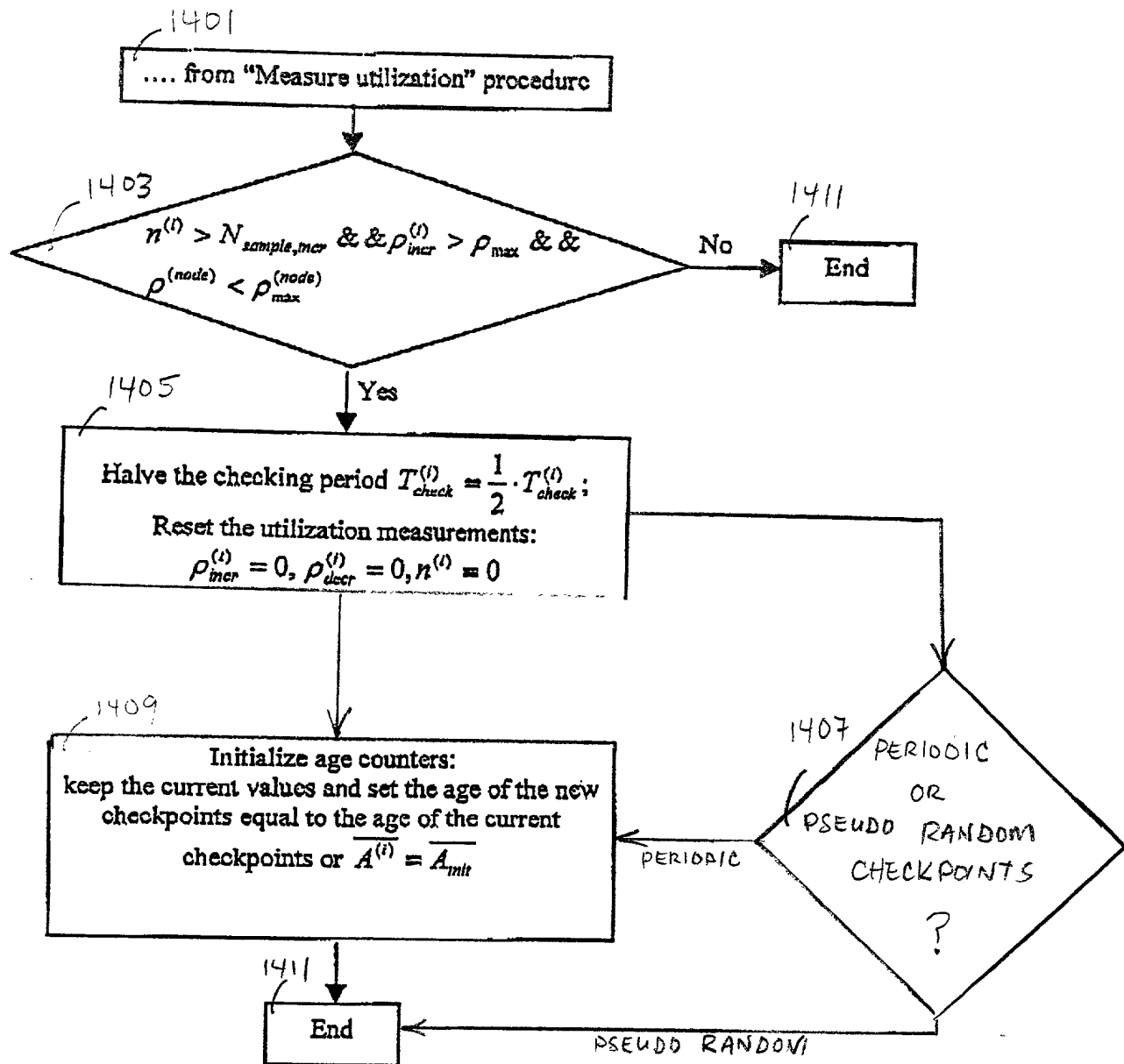


FIG. 14

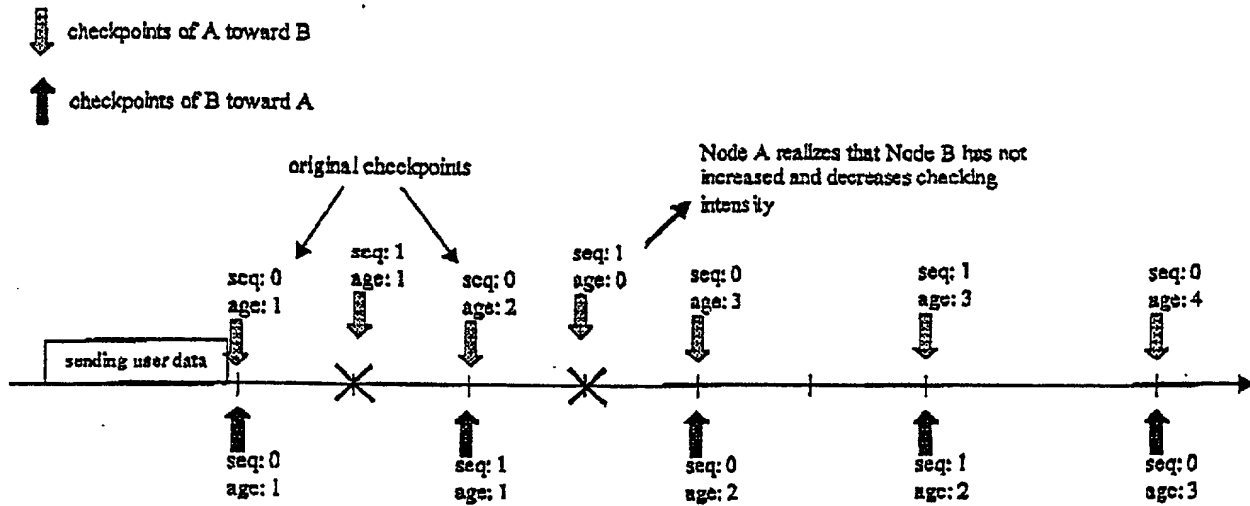


FIG. 15

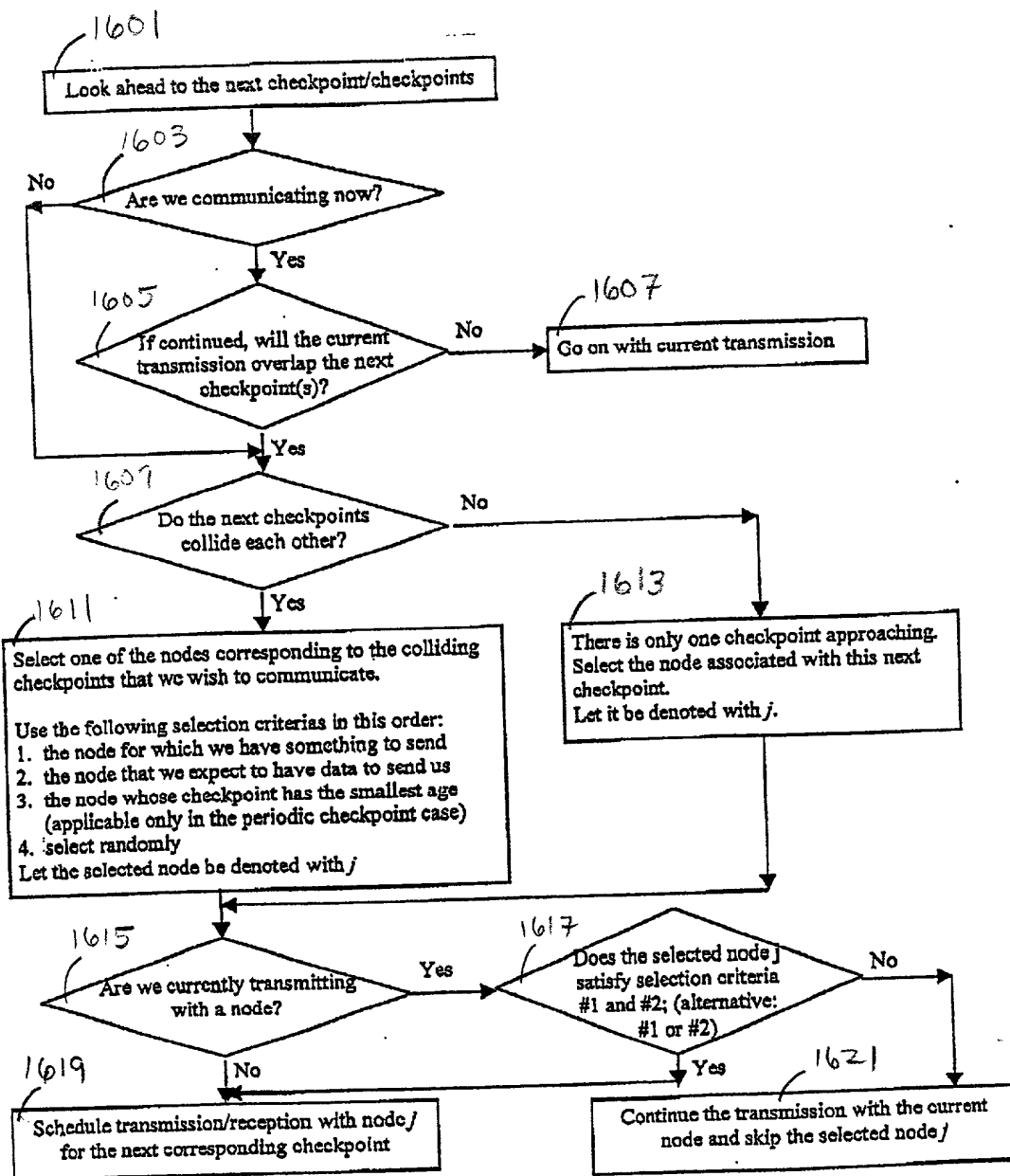


FIG. 16

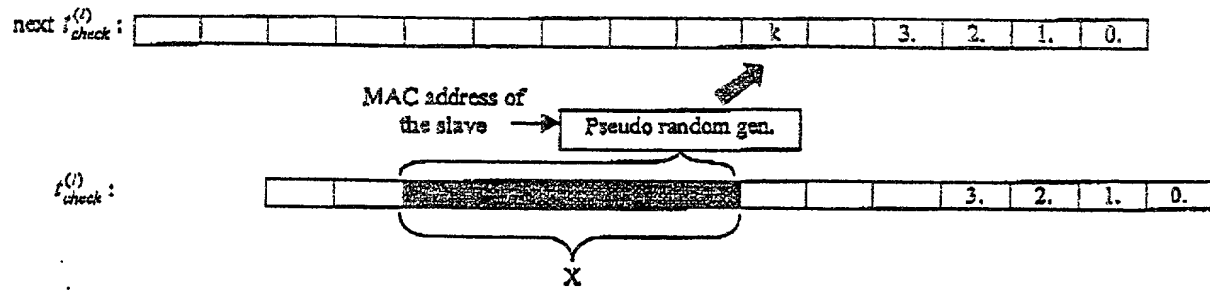


FIG. 17

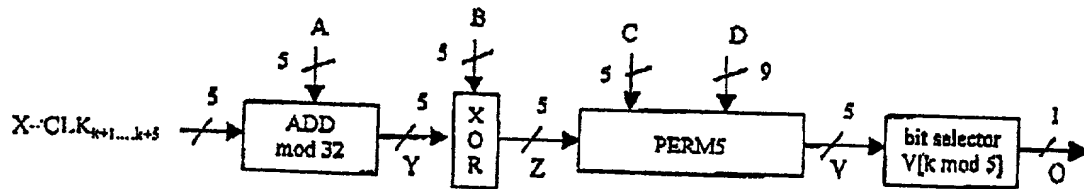


FIG. 18

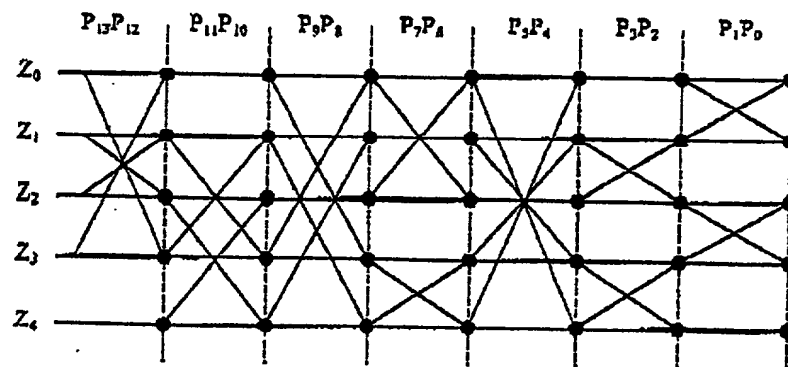


FIG. 20

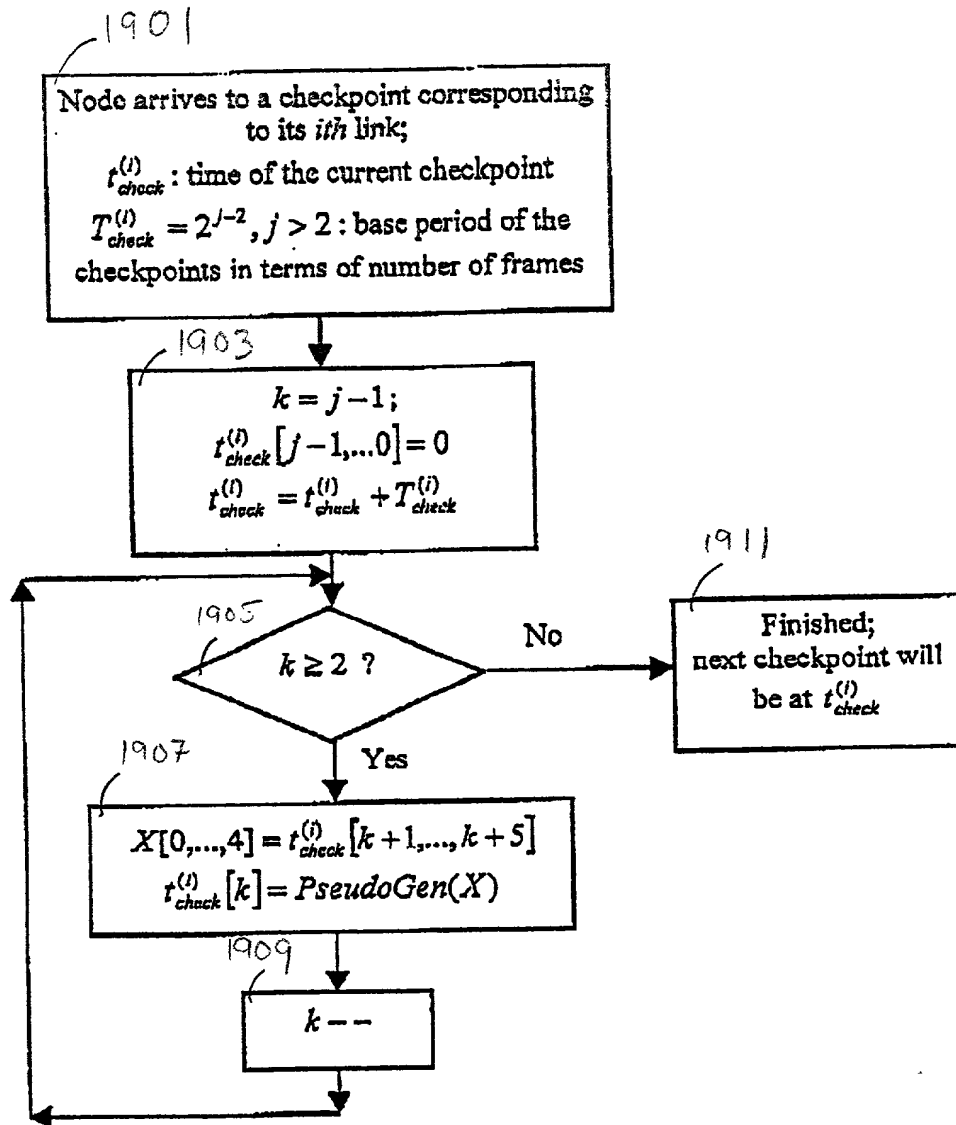


FIG. 19



Node architecture:

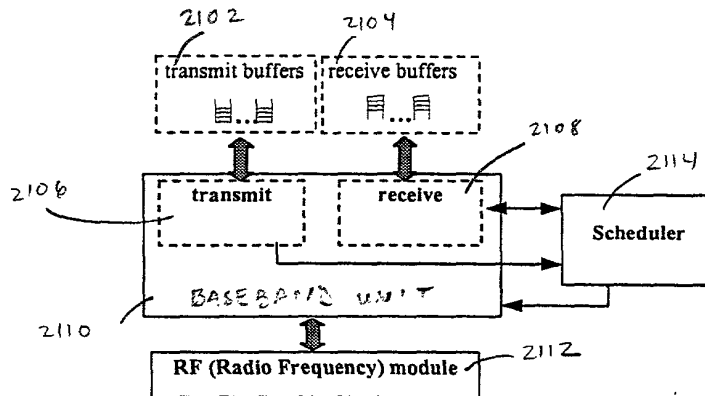


FIG. 21(a)

Architecture of the scheduler:

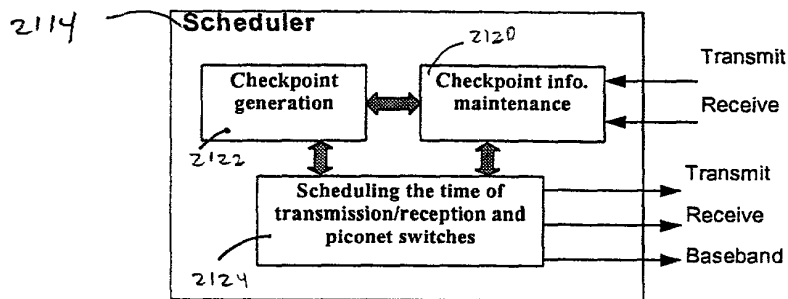


FIG. 21(b)